

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073018\
 Data File : VD059634.D
 Acq On : 30 Jul 2018 22:36
 Operator : VA/AP
 Sample : J4189-15RE
 Misc : 6.31g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-14-SRE

Quant Time: Jul 31 05:18:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 07:10:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	138555	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.67	114	169871	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.68	117	126613	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	55469	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.99	65	100853	57.90	ug/l	0.01
Spiked Amount 50.000			Recovery	=	115.80%	
35) Dibromofluoromethane	5.53	113	89297	61.28	ug/l	0.02
Spiked Amount 50.000			Recovery	=	122.56%	
50) Toluene-d8	8.69	98	167530	50.68	ug/l	0.01
Spiked Amount 50.000			Recovery	=	101.36%	
62) 4-Bromofluorobenzene	11.92	95	65946	44.29	ug/l	0.01
Spiked Amount 50.000			Recovery	=	88.58%	

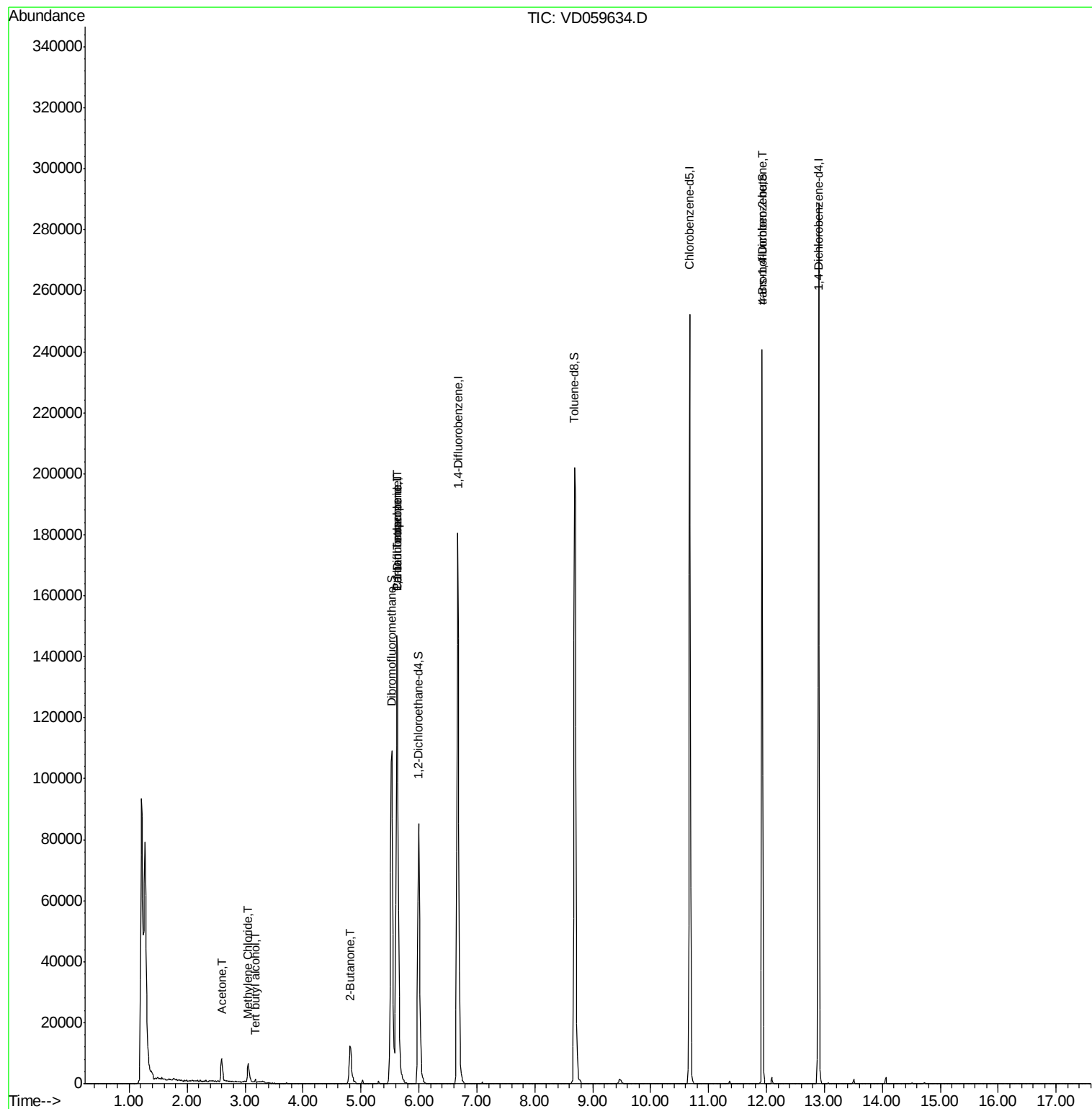
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.18	59	205	2.95	ug/l #	80
16) Acetone	2.60	43	14507	55.15	ug/l	99
20) Methylene Chloride	3.05	84	2654	3.54	ug/l	92
25) 2-Butanone	4.82	43	503	1.25	ug/l #	59
31) Cyclohexane	5.62	56	3911	Below Cal	#	29
36) 1,1-Dichloropropene	5.62	75	13184	7.73	ug/l #	49
38) Carbon Tetrachloride	5.63	117	13388	5.74	ug/l #	14
81) trans-1,4-Dichloro-2-buten	11.92	75	36952	157.56	ug/l #	1

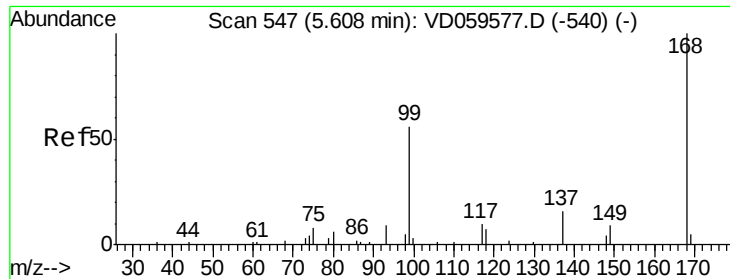
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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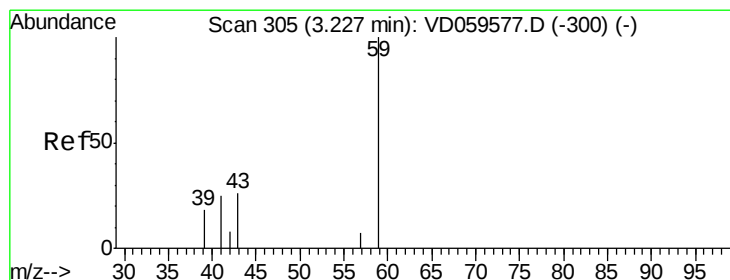
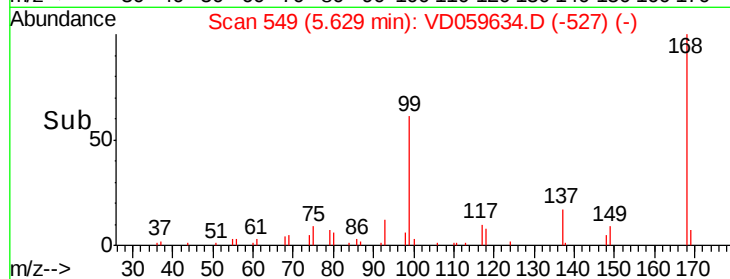
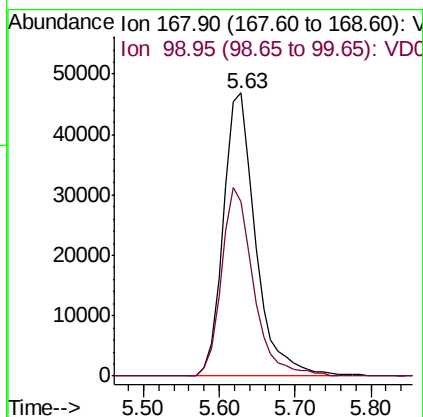
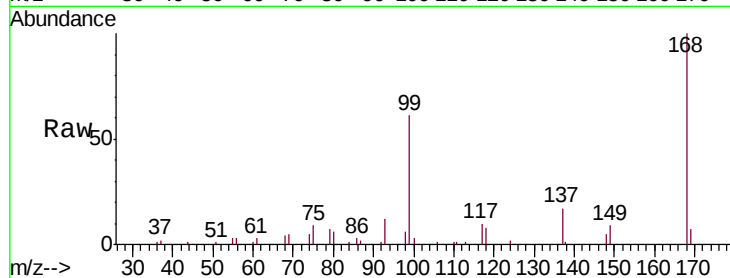




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.63 min Scan# 549
Delta R.T. 0.02 min
Lab File: VD059634.D
Acq: 30 Jul 2018 22:36

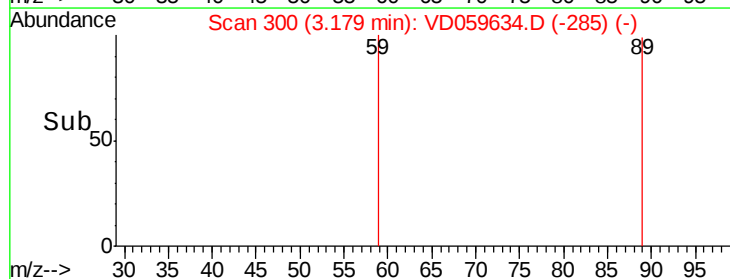
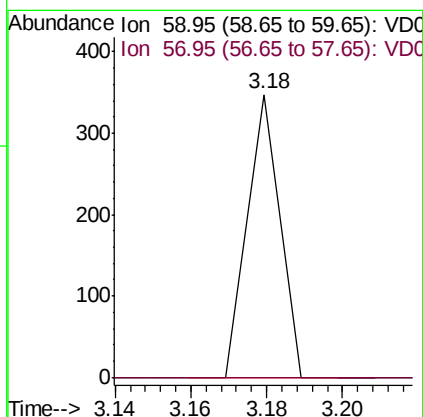
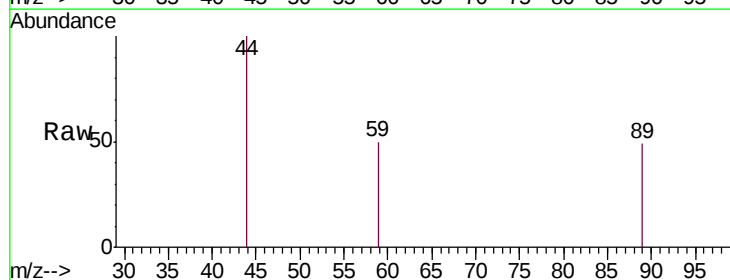
Instrument :
MSVOA_D
ClientSampleId :
TP-14-SRE

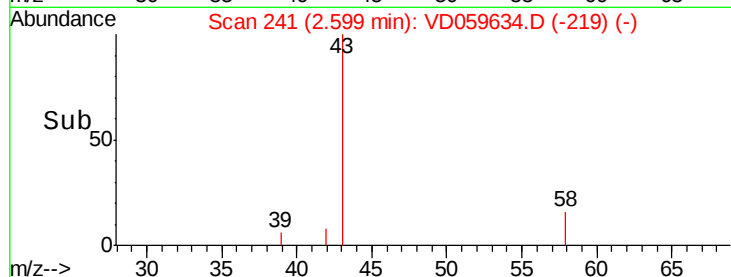
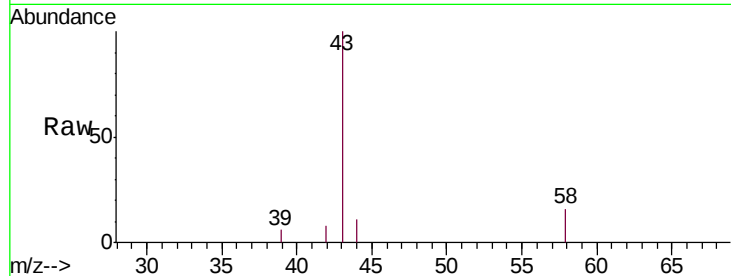
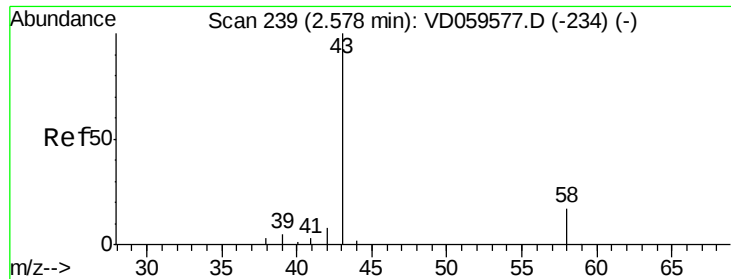
Tot Ion:168 Resp: 138555
Ion Ratio Lower Upper
168 100
99 61.5 47.3 70.9



#11
Tert butyl alcohol
Concen: 2.95 ug/l
RT: 3.18 min Scan# 300
Delta R.T. -0.05 min
Lab File: VD059634.D
Acq: 30 Jul 2018 22:36

Tgt Ion: 59 Resp: 205
Ion Ratio Lower Upper
59 100
57 0.0 5.5 8.3#





#16

Acetone

Concen: 55.15 ug/l

RT: 2.60 min Scan# 241

Delta R.T. 0.02 min

Lab File: VD059634.D

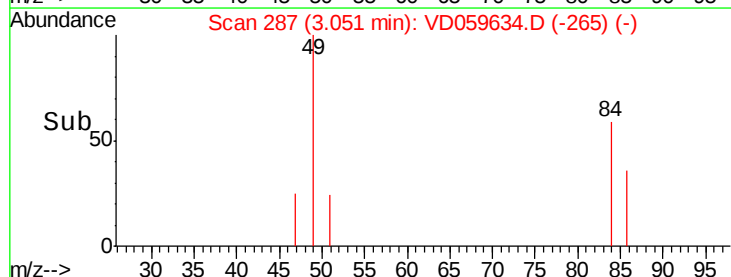
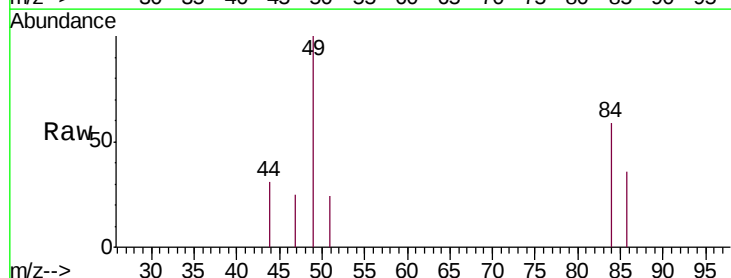
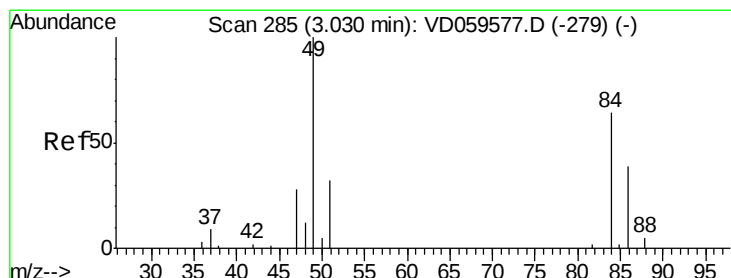
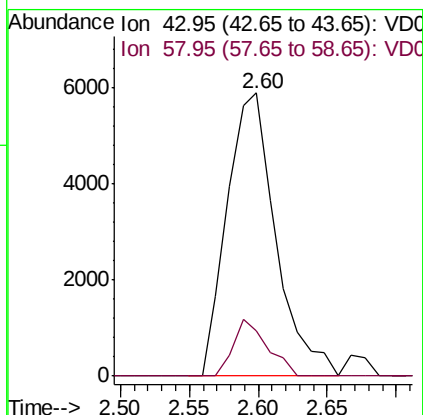
Acq: 30 Jul 2018 22:36

Tot Ion: 43 Resp: 14507

Ion Ratio Lower Upper

43 100

58 16.2 13.4 20.0



#20

Methylene Chloride

Concen: 3.54 ug/l

RT: 3.05 min Scan# 287

Delta R.T. 0.02 min

Lab File: VD059634.D

Acq: 30 Jul 2018 22:36

Tgt Ion: 84 Resp: 2654

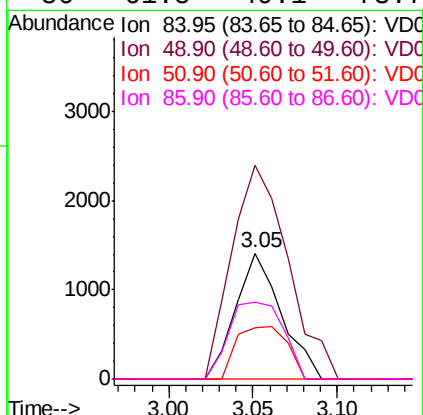
Ion Ratio Lower Upper

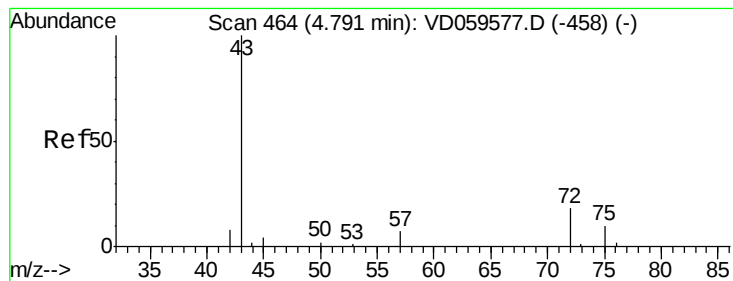
84 100

49 169.9 125.4 188.2

51 40.9 39.7 59.5

86 61.5 49.1 73.7





#25

2-Butanone

Concen: 1.25 ug/l

RT: 4.82 min Scan# 467

Delta R.T. 0.03 min

Lab File: VD059634.D

Acq: 30 Jul 2018 22:36

Instrument :

MSVOA_D

ClientSampleId :

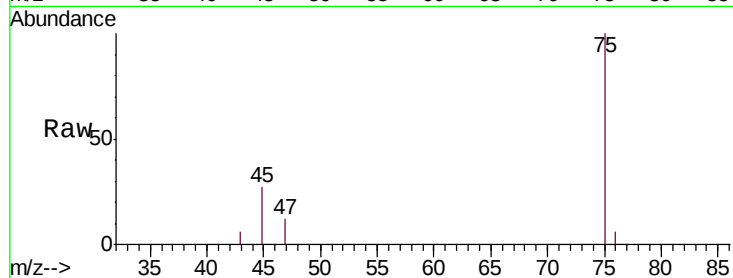
TP-14-SRE

Tot Ion: 43 Resp: 503

Ion Ratio Lower Upper

43 100

72 0.0 14.7 22.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

4.82

400

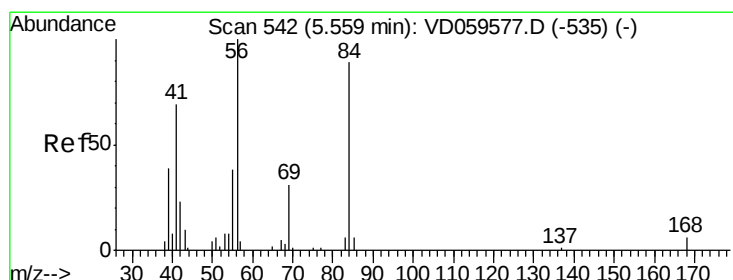
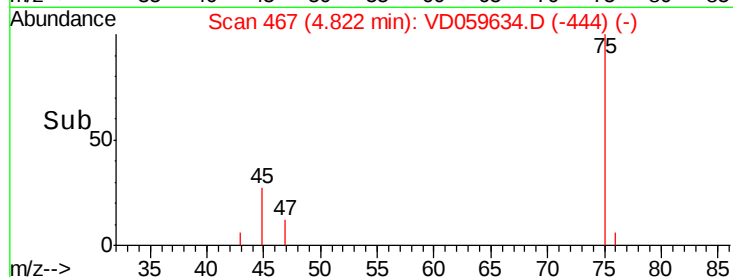
300

200

100

0

Time-->



#31

Cyclohexane

Concen: Below Cal

RT: 5.62 min Scan# 548

Delta R.T. 0.06 min

Lab File: VD059634.D

Acq: 30 Jul 2018 22:36

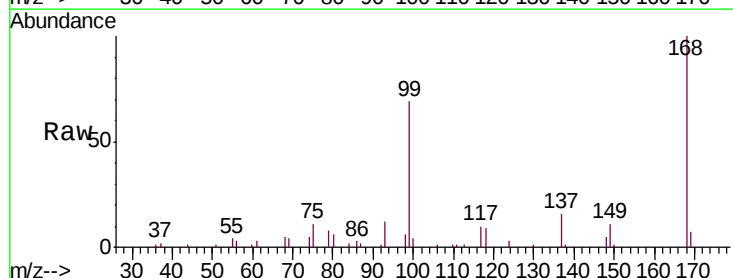
Tgt Ion: 56 Resp: 3911

Ion Ratio Lower Upper

56 100

69 142.2 24.6 37.0#

84 65.5 72.7 109.1#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

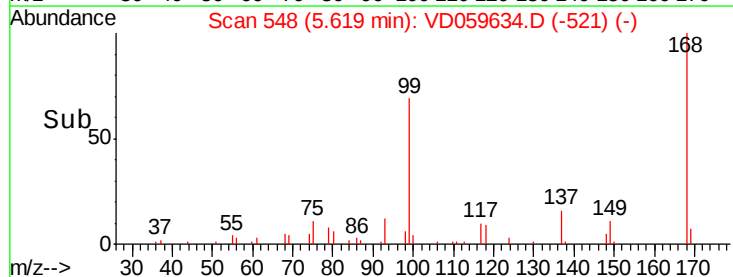
3000

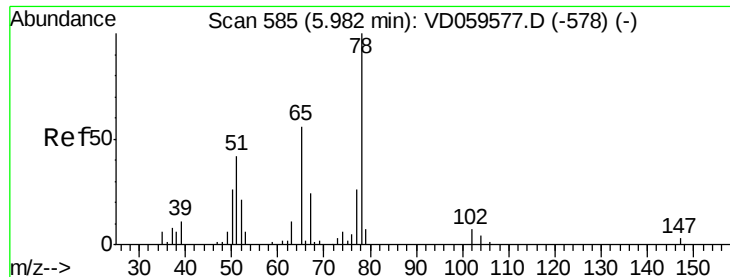
2000

1000

0

Time-->

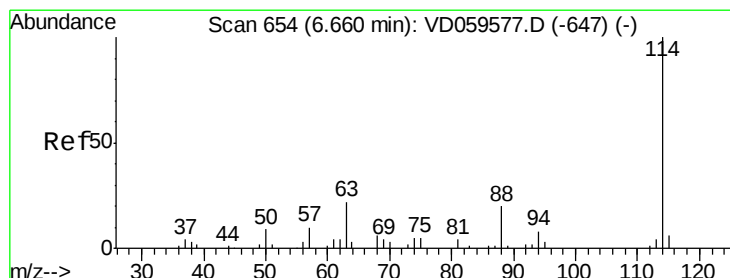
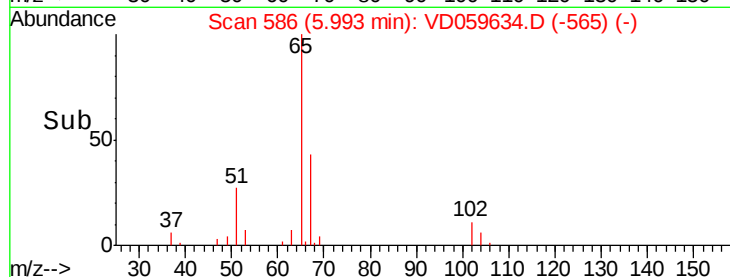
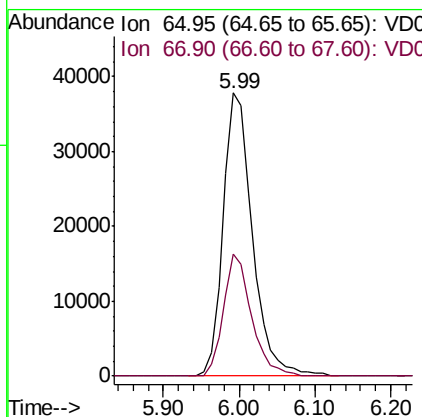
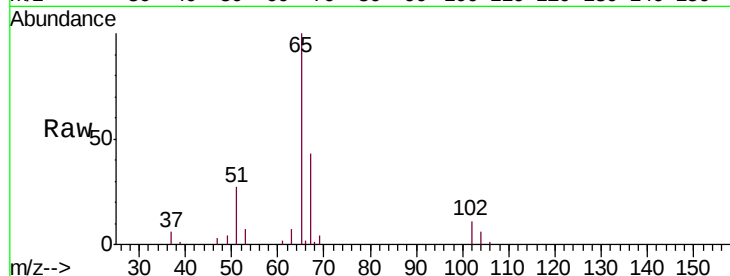




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 5.99 min Scan# 586
 Delta R.T. 0.01 min
 Lab File: VD059634.D
 Acq: 30 Jul 2018 22:36

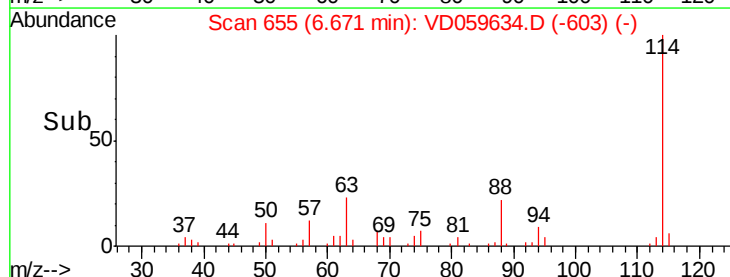
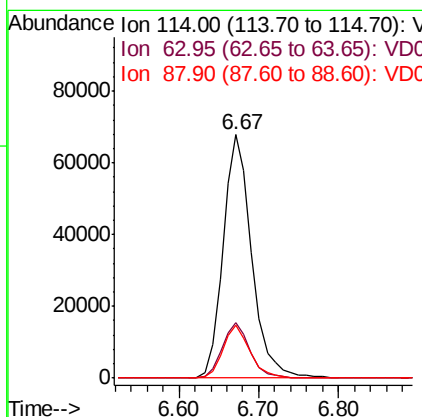
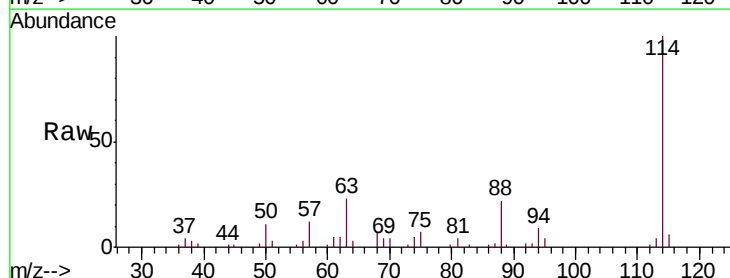
Instrument :
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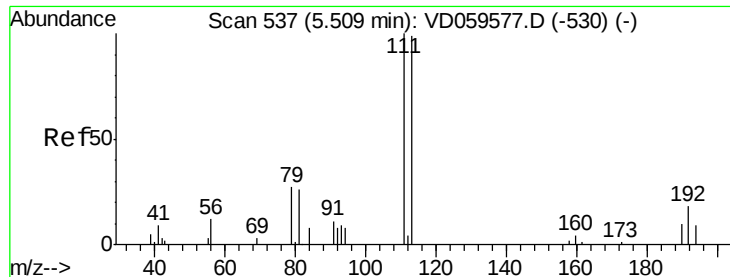
Tot Ion: 65 Resp: 100853
 Ion Ratio Lower Upper
 65 100
 67 43.3 0.0 86.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.67 min Scan# 655
 Delta R.T. 0.01 min
 Lab File: VD059634.D
 Acq: 30 Jul 2018 22:36

Tgt Ion: 114 Resp: 169871
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 43.8
 88 22.0 0.0 39.0

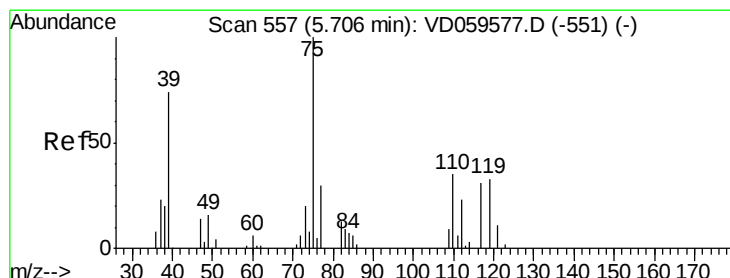
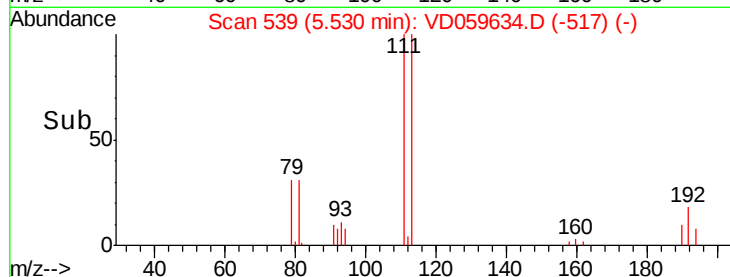
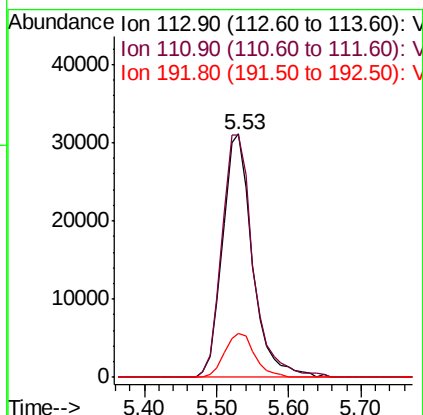
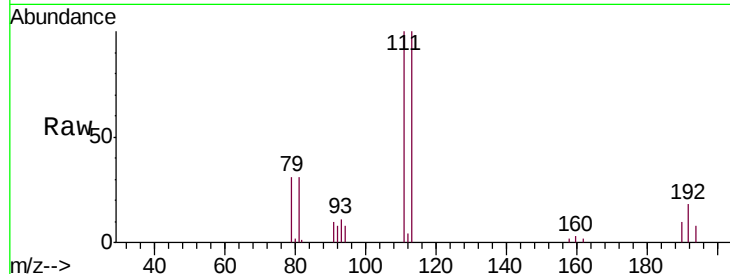




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.53 min Scan# 539
 Delta R.T. 0.02 min
 Lab File: VD059634.D
 Acq: 30 Jul 2018 22:36

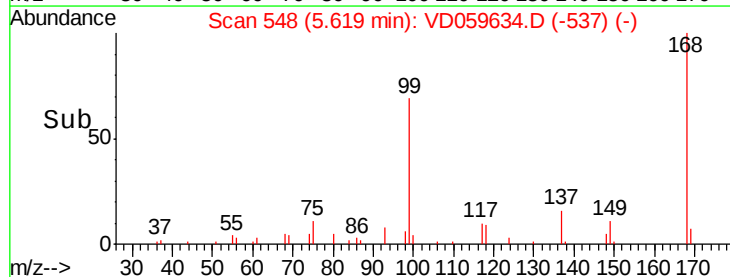
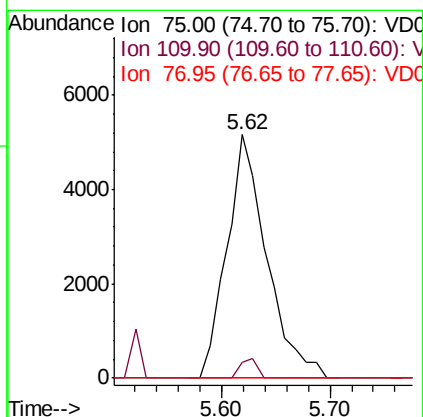
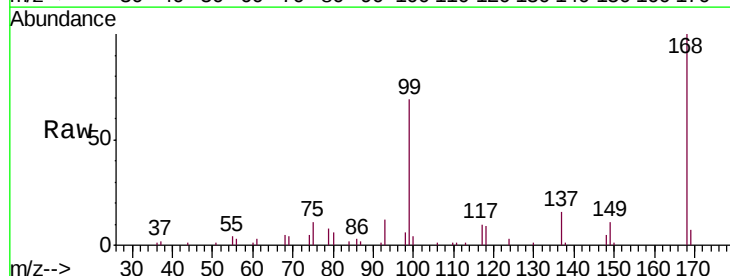
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-14-SRE

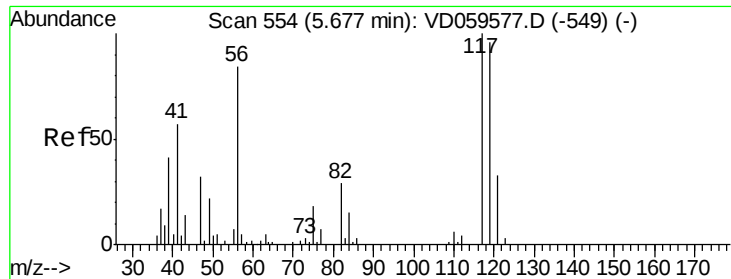
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.6	80.5	120.7
192	17.8	14.5	21.7



#36
 1,1-Dichloropropene
 Concen: 7.73 ug/l
 RT: 5.62 min Scan# 548
 Delta R.T. -0.09 min
 Lab File: VD059634.D
 Acq: 30 Jul 2018 22:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.3	17.0	50.9#
77	0.0	23.6	35.4#

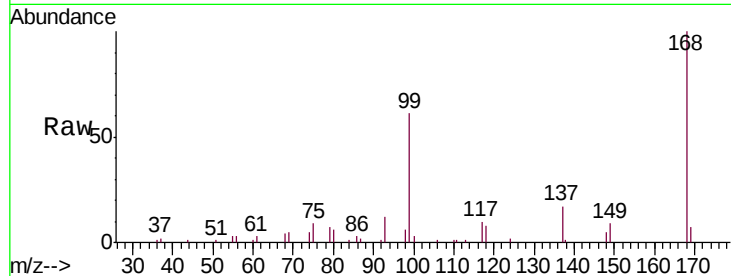




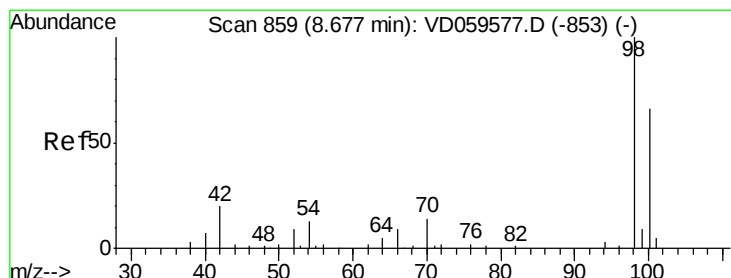
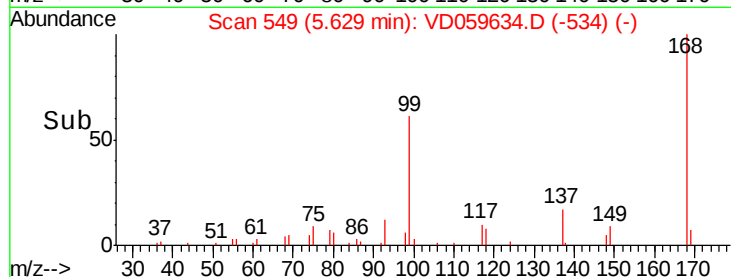
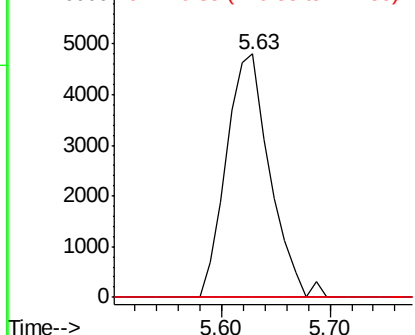
#38
Carbon Tetrachloride
Concen: 5.74 ug/l
RT: 5.63 min Scan# 549
Delta R.T. -0.05 min
Lab File: VD059634.D
Acq: 30 Jul 2018 22:36

Instrument :
MSVOA_D
ClientSampleId :
TP-14-SRE

Tot Ion:117 Resp: 13388
Ion Ratio Lower Upper
117 100
119 0.0 73.6 110.4#
121 0.0 25.0 37.6#

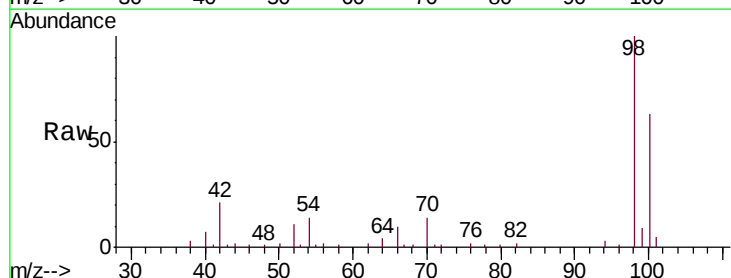


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

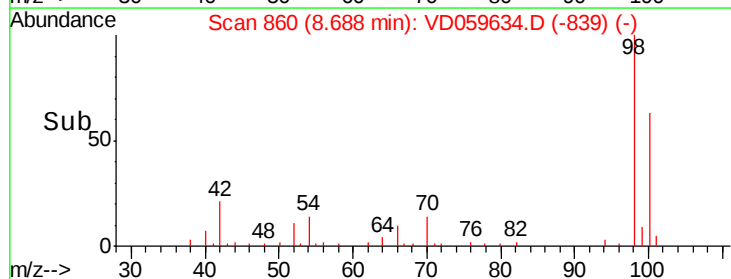
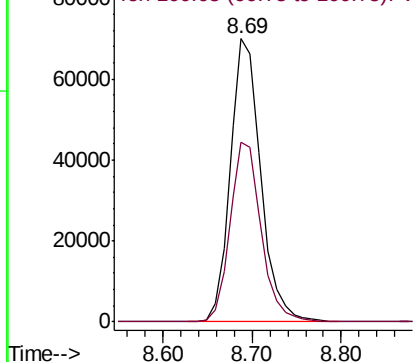


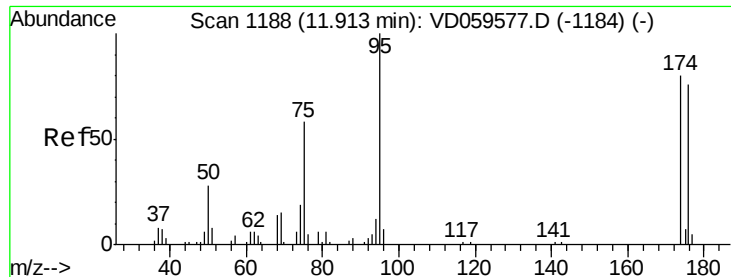
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.69 min Scan# 860
Delta R.T. 0.01 min
Lab File: VD059634.D
Acq: 30 Jul 2018 22:36

Tgt Ion: 98 Resp: 167530
Ion Ratio Lower Upper
98 100
100 63.5 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): V
Ion 100.05 (99.75 to 100.75): V

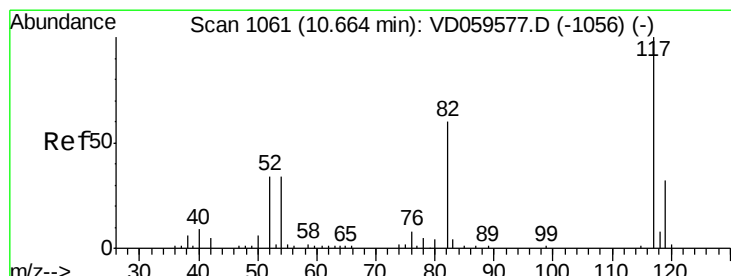
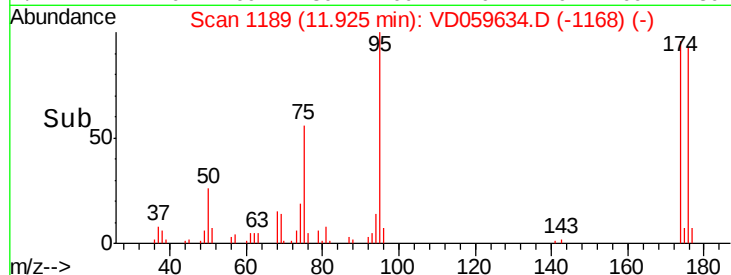
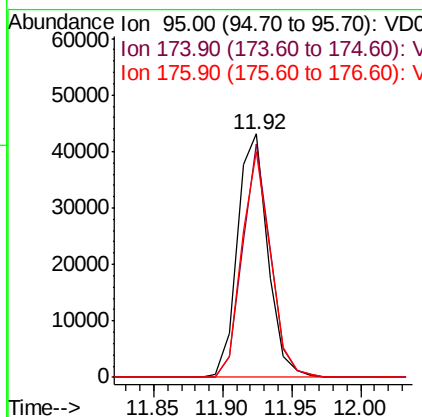
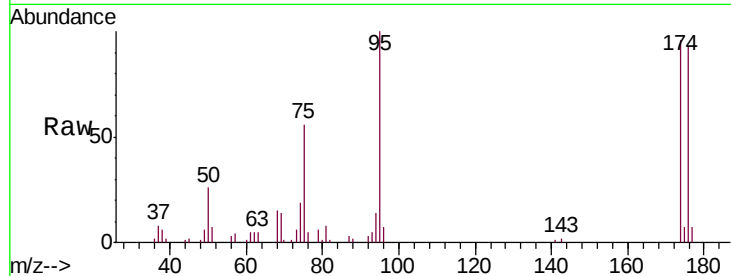




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.92 min Scan# 1189
Delta R.T. 0.01 min
Lab File: VD059634.D
Acq: 30 Jul 2018 22:36

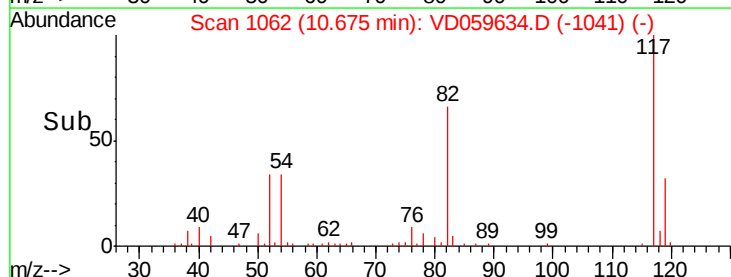
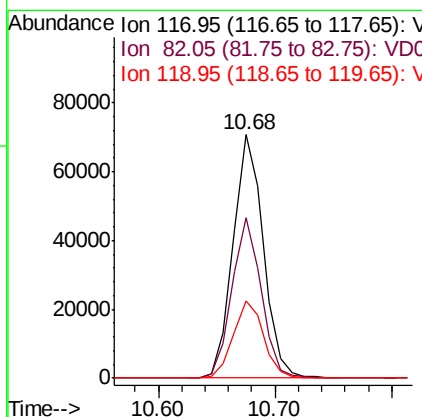
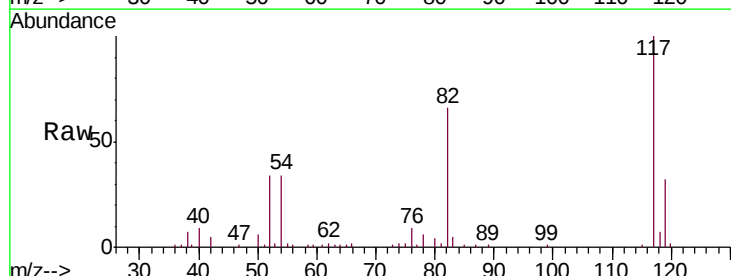
Instrument :
MSVOA_D
ClientSampleId :
TP-14-SRE

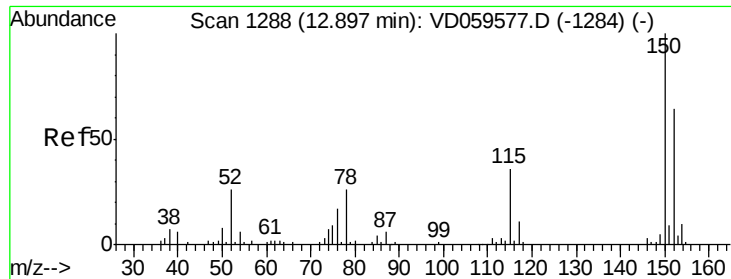
Tot Ion: 95 Resp: 65946
Ion Ratio Lower Upper
95 100
174 96.0 0.0 160.6
176 92.5 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. 0.01 min
Lab File: VD059634.D
Acq: 30 Jul 2018 22:36

Tgt Ion: 117 Resp: 126613
Ion Ratio Lower Upper
117 100
82 66.0 48.2 72.2
119 31.7 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.90 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VD059634.D

Acq: 30 Jul 2018 22:36

Instrument :

MSVOA_D

ClientSampleId :

TP-14-SRE

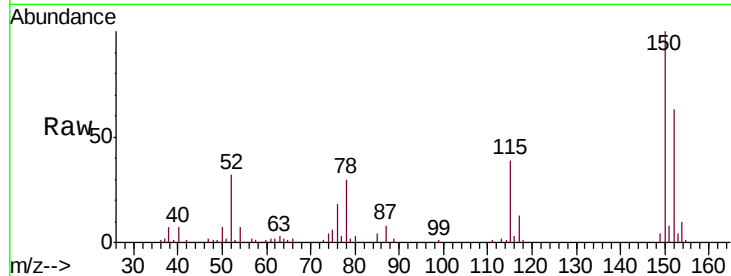
Tot Ion:152 Resp: 55469

Ion Ratio Lower Upper

152 100

115 61.8 29.5 88.6

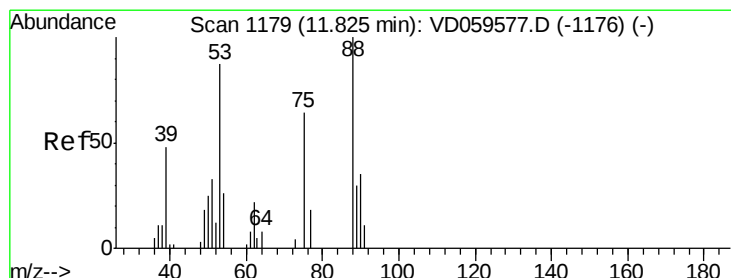
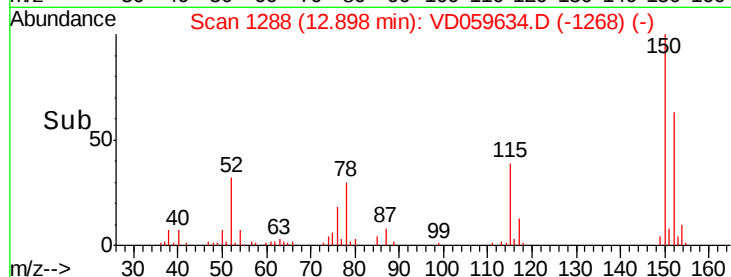
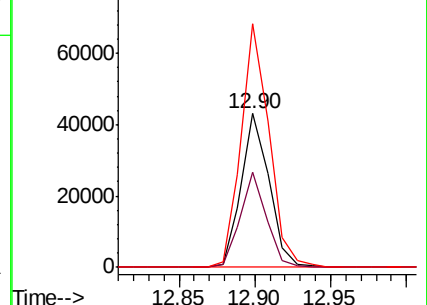
150 158.2 0.0 314.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene

Concen: 157.56 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. 0.10 min

Lab File: VD059634.D

Acq: 30 Jul 2018 22:36

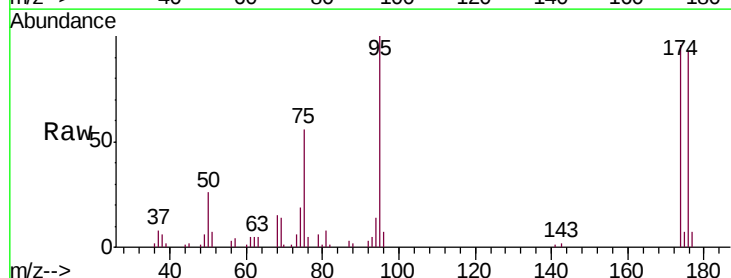
Tgt Ion: 75 Resp: 36952

Ion Ratio Lower Upper

75 100

53 0.0 107.7 161.5#

89 0.0 37.3 55.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

